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ABSTRACT

This module on constructing and setting sleeves, one in a series on the single needle lockstitch sewing machine for student self-study, contains two sections. Each section includes the following parts: an introduction, directions, an objective, learning activities, student information, student self-check, check-out activities, and an instructor's final checklist. The sections cover the following topic: constructing and setting sleeves with fullness and without fullness. The material is illustrated with line drawings. (KC)

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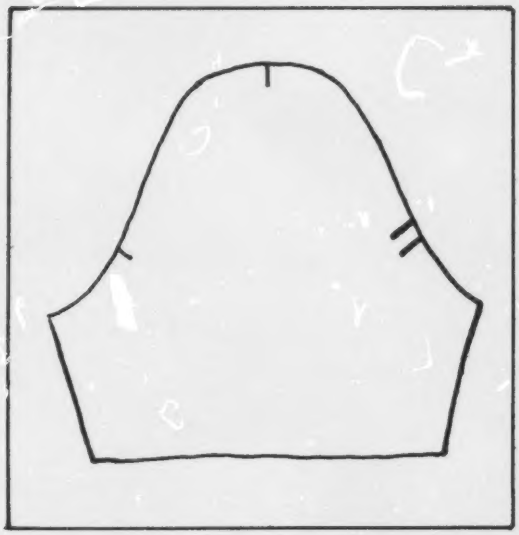
constructing and setting sleeve with fullness



CONSTRUCTING AND SETTING SLEEVES
(Sleeve with Fullness)

INTRODUCTION

Constructing and setting sleeves are two important operations in the manufacture of garments. In this module you will learn about the different types of sleeves. You will also learn how to construct and set sleeves with fullness.

DIRECTIONS

Read the Objective. If you think that you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a sleeve with fullness, garment sections, lockstitch machine, and thread,construct and set sleeve. Sleeve fullness must be evenly distributed across cap. Sleeve must also be matched to garment at underarm seam and armhole markings.

LEARNING ACTIVITIES

1. READ Student Information, TYPES OF SLEEVES.
2. READ Student Information, STEPS IN SETTING A SLEEVE WITH FULLNESS. Follow the directions and complete each step before going on to the next one. If you should have a problem, ask your instructor for assistance. Practice setting sleeves with fullness.
3. VIEW teacher demonstration on setting a sleeve with fullness.
4. COMPLETE Student Self-Check, TYPES OF SLEEVES AND SLEEVES WITH FULLNESS.

5. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Types of Sleeves

Two types of sleeves are explained in these modules; sleeves with fullness and sleeves without fullness. Sleeves which have fullness in the cap (Figure 1) have to be shirred. This means slight gathers, darts, or pleats must be made at the crown for fitting into the armhole of the garment. Sleeves, cut in pairs, may be constructed and set in the garment. Another method is to cut the sleeve into the garment with only one seam. Some sleeves, such as a tailored shirt sleeve without fullness, are set in and then seamed. A sleeve with a box pleat is shown in Figure 2.

Figure 1

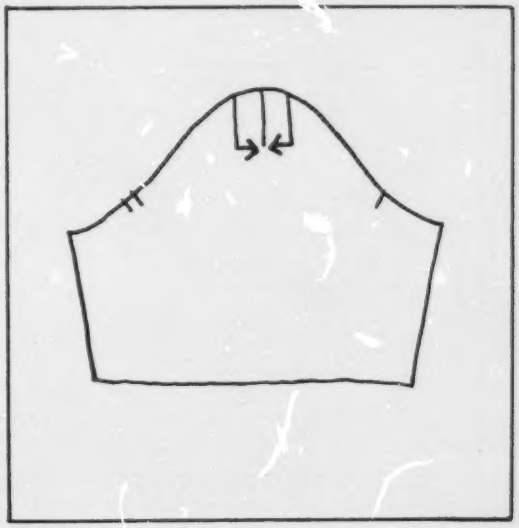


Figure 2

A sleeve with shirred fullness is shown in Figure 3. The slight fullness is accomplished by the feed dog located under the needle. This allows for the material to ease into the crown of the sleeve between the notches.

(Remember that double notches are always located in the back side of the sleeve.)

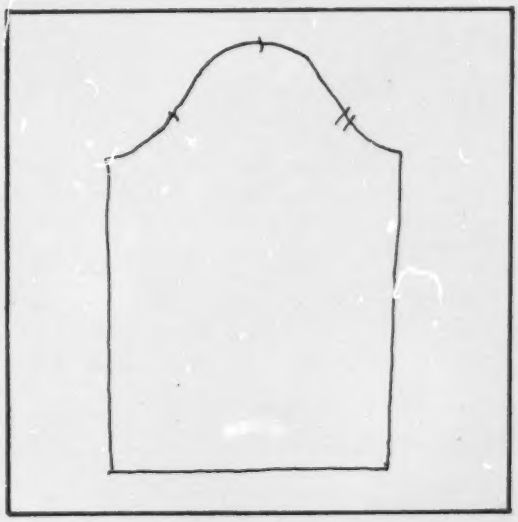


Figure 3

An example of a set-in sleeve with fullness, or shirred, is shown in Figure 4.

Figure 4

A raglan sleeve construction is shown in Figure 5. This sleeve is sometimes darted at the top to allow for shape over the shoulder.

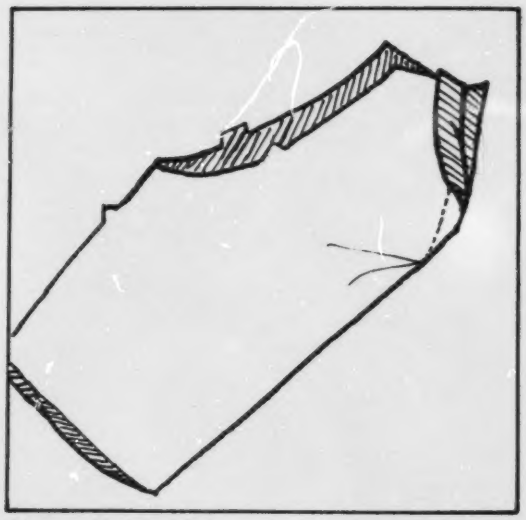


Figure 5

The raglan sleeve on the garment in Figure 6 demonstrates the slanting seam lines extending from the underarm to the neckline on both the shoulder front and back. The sleeve is cut separate from the garment and set in.

Figure 6

The butterfly sleeve as shown in Figure 7 is cut with the bodice of the garment. The only seam joins the front with the back. This type of sleeve is usually found on materials which will give such as jersey and knits.

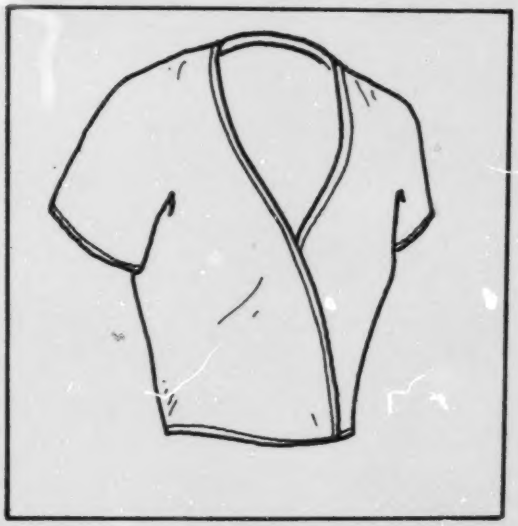


Figure 7

A sleeve which was set in and then seamed is shown in Figure 8. The sleeve is stitched along the armhole without fullness and should be smooth when finished. A garment with a set-in sleeve provides ease in the shoulder area and fits the figure more accurately. The difference between easing and gathering (as shown in the sleeve with fullness) is that the ease line is almost invisible whereas the gathers are highly visible by pleats or tucks showing on the outside of the garment.

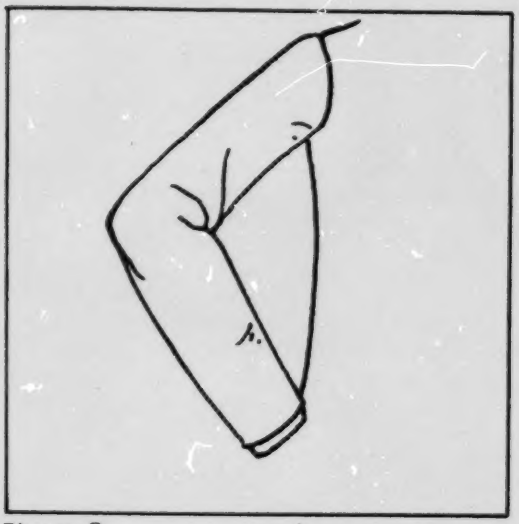


Figure 8

Regardless of the method you are using, remember the importance of the notch at the crown of the sleeve. This notch must always be matched with the shoulder seam or the center of the shoulder for correct fit (Figure 9).

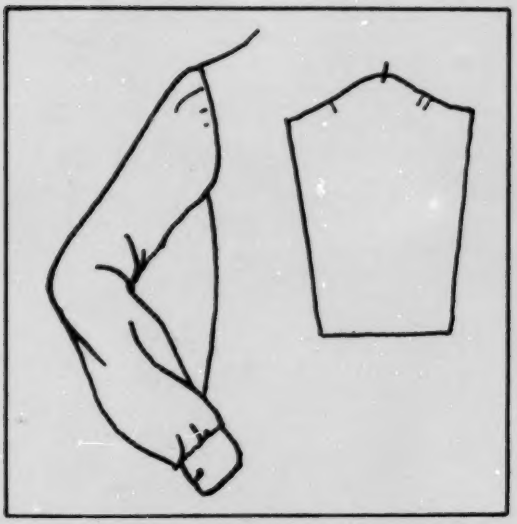


Figure 9

STUDENT INFORMATION

Steps in Setting a Sleeve With Fullness

1. For a shirred sleeve, feed sleeve cap with the index finger at the presser foot causing the cap to gather as you stitch. Stitch within sleeve cap seam allowance between notches.

2. Stitch underarm seam of sleeve using a 1/2 inch (1.27 cm) seam allowance. Seam allowance will vary with the quality of garment and the individual industry specifications.

3. Insert sleeve into armhole, matching notch in top of sleeve with shoulder seam or center of shoulder. Match underarm seam with sleeve seam and stitch. See Figure 10 for a shirred sleeve.

Figure10

4. For a darted sleeve, stitch dart and sleeve seam. Then set in garment (Figure 11).

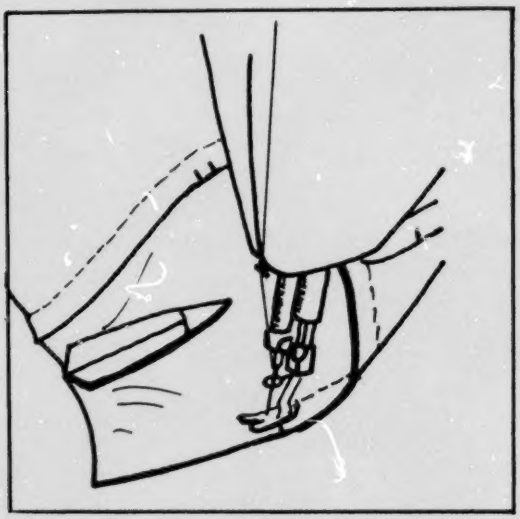


Figure 11

5. For a pleated sleeve, stitch pleats in place and seam sleeve. Set in garment as illustrated in Figure 10.

STUDENT SELF-CHECK

Types of Sleeves and Sleeves with Fullness

Write the answers to the following statements on a separate sheet of paper.

1. Some sleeves may be _____ and then set in the garment.
2. Some sleeves may be set in the garment before they are constructed. (True or false)
3. _____, pleating, or _____ gives fullness in the cap of sleeves.
4. The notch at the crown of the sleeve must always be matched with the _____ _____ or the center of the shoulder for correct fit.

CHECK-OUT ACTIVITIES

The statement below explains the activities you must be able to complete in order to finish this module. After you go through the activities, your instructor will rate your performance using the Instructor's Final Checklist, CONSTRUCTING AND SETTING SLEEVES WITH FULLNESS.

Your instructor will provide you with garment sections, lockstitch machine, sleeve sections, and thread. Construct and set a sleeve with fullness.

Student _____

Date _____

Instructor's Final Checklist

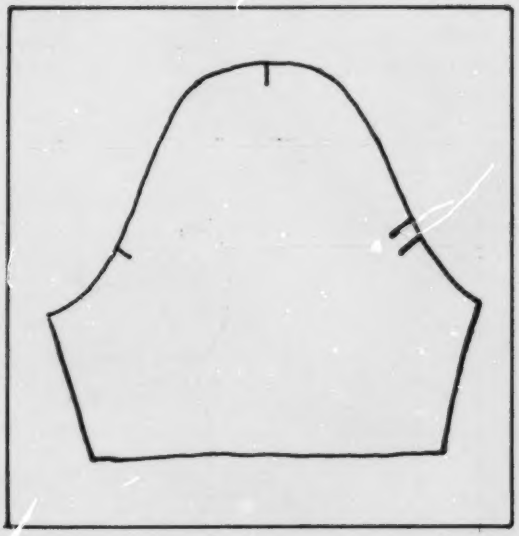
Check the student's performance in the following elements of constructing and setting sleeves with fullness.

Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Set sleeve with fullness evenly distributed across cap.	( )	( )	( )	( )
b. Sleeve matched to garment at underarm seam and armhole marking.	( )	( )	( )	( )

constructing and setting sleeve without fullness



CONSTRUCTING AND SETTING SLEEVES
(Sleeve Without Fullness)

INTRODUCTION

Constructing and setting sleeves are two important operations in the manufacture of garments. In this module you will learn how to construct and set sleeves without fullness.

DIRECTIONS

Read the Objective. If you think that you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a sleeve without fullness, garment sections, lockstitch machine, and thread, construct and set sleeve without fullness. Sleeve cap must be free of pucker and be matched to garment at underarm seam and armhole markings.

LEARNING ACTIVITIES

1. READ Student Information, SETTING A SLEEVE WITHOUT FULLNESS.
2. VIEW teacher demonstration on setting a sleeve without fullness.
3. COMPLETE Student Self-Check, SETTING A SLEEVE WITHOUT FULLNESS.
4. TURN to Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Setting A Sleeve Witnout Fullness

The right and left garment sections of the bodice have been joined together (Figure 12). They are ready for the placement of the sleeve according to notches.

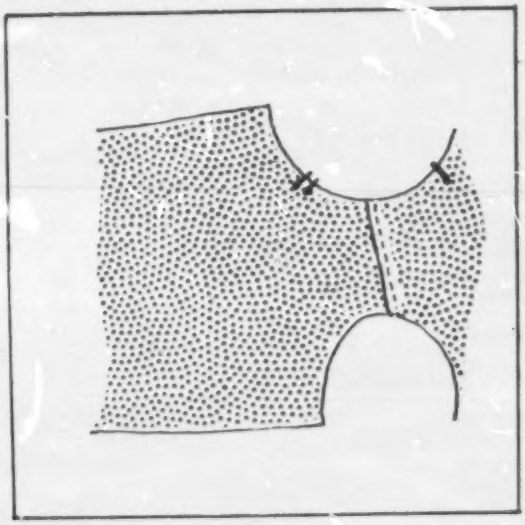


Figure 12

Place sleeve in curve matching side notches and the shoulder seam with notches in cap of sleeve (Figure 13).

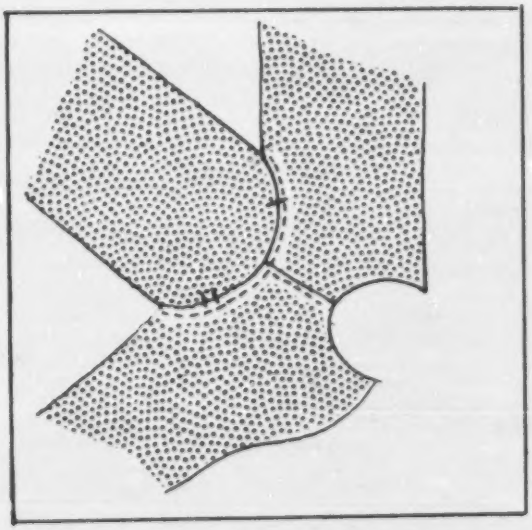


Figure 13

Match garment sections and starting at the bottom, stitch the garment side seam. Match the armhole and end of sleeve and continue stitching, making the sleeve seam (Figure 14).

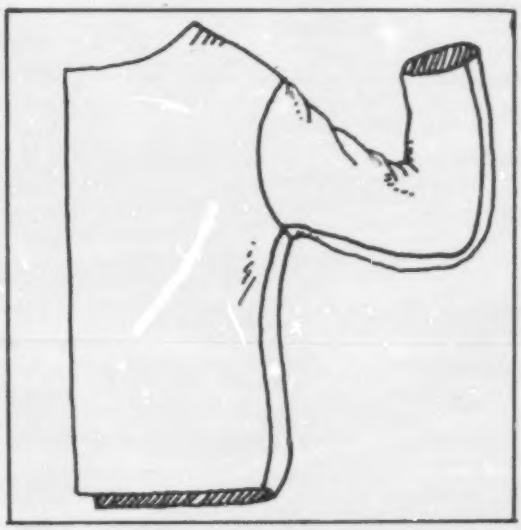


Figure 14

STUDENT SELF-CHECK

Setting A Sleeve Without Fullness

Write the answers to the following statements on a separate sheet of paper.

1. Sleeve must be matched with notches on cap of sleeve. (True or false)
2. Sleeve should lay smooth without pleats or gathers. (True or false)
3. Sewing should begin at the end of the sleeve and continue toward the bottom of the garment. (True or false)

CHECK-OUT ACTIVITIES

The statement below explains the activities you must be able to complete in order to finish this module. After you go through the activities, your instructor will rate your performance using the Instructor's Final Checklist, CONSTRUCTING AND SETTING SLEEVES WITHOUT FULLNESS.

Your instructor will provide you with garment sections, lockstitch machine, sleeve sections, and thread. Construct and set a sleeve without fullness.

Student _____

Date _____

Instructor's Final Checklist

Check the student's performance in the following elements of constructing and setting sleeves without fullness.

Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Set sleeve without fullness. Cap was smooth and free of puckers.	( )	( )	( )	( )
b. Sleeve matched to garment at underarm seam and armhole marking.	( )	( )	( )	( )